digital™ MATERIAL SAFETY DATA SHEET

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation Maynard, MA USA

Non-Emergency Phone Number: (508) 496-9242

Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Preparation Date: April 21, 1992

Supersedes: July 11, 1991

Product Name: Toner Cartridge
Use: Image Transfer Media

Part Number(s): LN08X-AA/AC

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST IARC	CARCINOGEN LIST NTP	CARCINOGEN LIST OSHA	SARA 313
None								

Toner Cartridge is classified as an article. Toner contains iron oxide, styrene acrylic resin, polyolefin and pigment. See Section 8 for Safe Handling/Preventive Measures.

All ingredients contained in this product are on the US TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - Not applicable
Vapor Pressure - Not applicable
Vapor Density - Not applicable
Appearance - Black powder
Freezing Point - Not applicable
Softening Point - 67°C (152°F)
Solubility in Water - < 0.1%
Percent Volatile - None
Evaporation Rate - Not applicable
Odor and Odor Threshold- Faint
pH - Not applicable
Specific Gravity - 1.7 (water = 1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point - None
Auto-Ignition Temperature - Not applicable
Unusual Fire or Explosion Hazards - None
Hazardous Combustion Products - Carbon monoxide, carbon dioxide
Special Fire Fighting Procedure - None
Flammable Limits - None
Extinguishing Media - Water, dry chemical, carbon dioxide

© Digital Equipment Corporation. 1992. All rights reserved.

SECTION 5 - REACTIVITY DATA

Stability - Stable
Incompatibility - None
Hazardous Polymerization -None
Conditions to Avoid - Temperature above 67°C (152°F)
Hazardous Decomposition Products - Not available

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans- Primary route of entry is by inhalation. Prolonged high levels of inhalation exposure can lead to accumulation of particles in the pulmonary tract. Not an irritant or skin sensitizer. Potential exposure under normal use conditions should present no hazard.
Animal Experiment- (based on testing of toner)
Acute- Oral LD50- >5 g/kg (practically non-toxic);
Dermal LD50- Not Tested;
Inhalation LC50- >5mg/l (Rats, 4 hour
exposure) practically non-toxic, >20mg/l (Calculated 1 hour exposure) non-poisonous, DOT. Non-irritating to skin and eyes.
Chronic/Other- Not a skin sensitizer, non mutagenic, in Ames test. Information on teratogenicity is not available. Not carcinogenic in a lifetime rat inhalation study. Fibrosis was noted in a few animals exposed at 4 mg/m^3 and all animals at 16 mg/m^3 in this study.
Additional Information- Major component of toner is a polymer which is thought to be non-toxic.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

(Applies to toner in cartridge)

If Inhaled - Remove to fresh air. Support breathing if necessary and contact a physician.
If on Skin - Promptly wash skin with soap and water.
If in Eyes - Flush eyes with large quantities of water for at least 15 minutes.
If Swallowed- Dilute stomach contents with several glasses of water.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - None for normal use. Provide adequate ventilation.
Engineer Control - Not needed.
Waste Disposal - No special Requirements.
Procedures for Leaks or Spills- Remove loose toner with a High Efficiency Particulate Filter (HEPA) vacuum cleaner.
Work Practices - None
Storage Requirement- Keep containers closed, store in cool, dry area.
Handling Procedure/Equipment- Avoid handling in windy areas. Airborne powder may enter eyes or respiratory tract. Cleanse skin thoroughly after contact.
Labelling- None
WHMIS Classification- Not applicable

SECTION 9 - TRANSPORTATION REQUIREMENTS

None